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TITLE: RIGHT PROTECTION METHOD IN OVERALL DATA DISTRIBUTION
SERVICE

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a right protection method in an overall data distribution service that uses key scrambling data to modify a master key and to produce an execution key and uses a private execution key to encrypt all data by different private execution keys even when only the master key to be managed secretly is available.

SOLUTION: The execution key is used when encryption processing is applied to various items. The mechanism for generating the execution key adopts a method where the master key on which the execution key is based and the scramble data having an optional value are scrambled by using a particular algorithm to generate the execution key. Thus, by changing the scramble data, the execution

key acting like an encryption key or a decoding key can be varied even when the master key has a fixed value. By adopting the execution key generating method for a terminal key, encryption processing can be applied to contract information by using the terminal key stored in a reception terminal for the master key and using the different execution key every time.

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